

Claims 1-24 (canceled)

R₁ and R₄ may be connected through a covalent bond;

[[R₃ and R₄ may be connected through a covalent bond;]]

R₄ and R₅ may be connected through a covalent bond; [[or -N(R₄)(R₅) represents 4-morpholinyl;]] and

the stereochemical configuration at a stereocenter in a compound represented by **C** is *R*, *S*, or a mixture thereof.

26. (canceled)

27. (canceled)

28. (canceled)

29. (original) The compound of claim 25, wherein *n* is 1 or 2; and *p* is 2.

30. (original) The compound of claim 25, wherein R' represents H.

31. (currently amended) The compound of claim 25, wherein R₂ represents phenyl, 3-chlorophenyl, 4-chlorophenyl, or 2-fluorophenyl [[, or 5-chlorobenzo[b]thiophen-3-yl]].

32. (canceled)

33. (canceled)

34. (canceled)

35. (currently amended) The compound of claim 25, wherein [[X represents S; Y represents CR'; W represents CH₂ or O;]] *n* is 1 or 2; *p* is 2; and R' represents H.

36. (currently amended) The compound of claim 25, wherein [[X represents S; Y represents CR'; W represents CH₂ or O;]] *n* is 1 or 2; *p* is 2; R' represents H; and R₂ represents phenyl, 3-chlorophenyl, 4-chlorophenyl, or 2-fluorophenyl [[, or 5-chlorobenzo[b]thiophen-3-yl]].

Claims 37-44 (canceled)

45. (currently amended) The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC₅₀ less than 1 μM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.

46. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC_{50} less than 100 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.
47. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC_{50} less than 10 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.
48. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC_{50} less than 1 μ M in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.
49. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC_{50} less than 100 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.
50. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC_{50} less than 10 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor or transporter.
51. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC_{50} less than 1 μ M in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.
52. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC_{50} less than 100 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.
53. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an IC_{50} less than 10 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.
54. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC_{50} less than 1 μ M in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.

55. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC₅₀ less than 100 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.

56. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound has an EC₅₀ less than 10 nM in an assay based on a mammalian dopamine, muscarinic or serotonin receptor.

57. **(currently amended)** The compound of claim [[1, 17,]] 25, [[or 37,]] wherein said compound is a single stereoisomer.

58. **(currently amended)** A formulation, comprising a compound of claim [[1, 17,]] 25 [[, or 37]]; and a pharmaceutically acceptable excipient.

Claims 59-105(**canceled**)